

Converting Colors

CIELCh(60, 84.733, 6.458)

Have a look what the booklet for
CIELCh(60, 84.733, 6.458) contains.

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Color

CIELCh(57, 80.123, 3.035)

Conversions

Conversions Part 1

Format	Color
Hex	FF2C85
RGB	255, 44, 133
RGB Percent	100%, 17%, 52%
CMY	0.0000, 0.8290, 0.4790
CMYK	0.00, 0.83, 0.48, 0.00
HSL	335°, 100%, 59%
HSV	335°, 83%, 100%
XYZ	46.7430, 24.9227, 24.4841
YIQ	117.2350, 97.1870, 72.4110

Conversions

Conversions Part 2

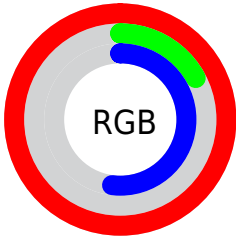
Format	Color
RYB	255, 44, 133
Decimal	16723077
CIELab	57.00, 80.01, 4.24
CIElCh	57, 80.123, 3.035
Yxy	24.9227, 0.4861, 0.2592
Android (android.graphics.Color)	4294913157 (0xFFFF2C85)
YUV	117.2350, 7.7721, 120.8199
Hunter-Lab	49.9226, 79.7667, 5.8676

Details

The CIELCh color **57, 80.123, 3.035** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **89, 74.131, 156.774**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 62.115, 349.285**, and **41, 68.226, 8.170** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.194, 7.099**, and if you desaturate by 10%, it is **60, 74.316, 359.438**.

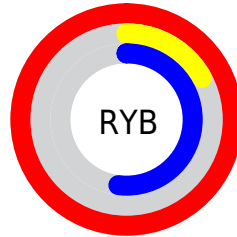
Distribution



Red (100%)

Green (17%)

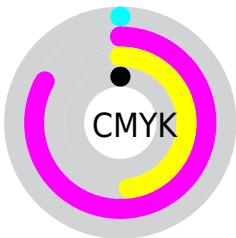
Blue (52%)



Red (100%)

Yellow (17%)

Blue (52%)

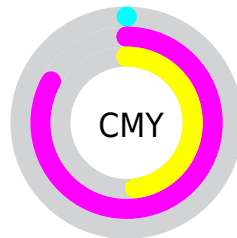


Cyan (0%)

Magenta (83%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (83%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 80.123, 3.035 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 57, 80.123, 3.035 by changing the saturation by 10% instead.

 57, 80.123, 3.035  57, 80.123, 3.035

 100, 80.123, 3.035  47, 80.123, 3.035

 77, 80.123, 3.035  37, 80.123, 3.035



 87, 80.123, 3.035  27, 80.123, 3.035

 97, 80.123, 3.035  17, 80.123, 3.035

 7, 80.123, 3.035

 0, 80.123, 3.035

 57, 80.123, 3.035  57, 80.123, 3.035

 55, 83.194, 7.099  60, 74.316,
359.438

 54, 84.665, 10.624

63, 66.674,
356.779

68, 57.373,
354.665

73, 46.980,
352.948

79, 36.017,
351.517

85, 24.882,
350.294

92, 13.845,
349.219

98, 3.072, 348.152

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57, 80.123, 3.035



89, 74.131, 156.774

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57, 80.123, 3.035



57, 80.123, 53.035



57, 80.123, 183.035



57, 80.123, 233.035

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57, 79.848, 2.822



84, 27.215, 350.536



48, 113.693, 314.266



42, 18.622, 350.958



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 79.848, 2.822



54, 84.448, 10.125



57, 90.121, 37.182



50, 6.070, 348.875



41, 68.109, 9.646



10, 31.360, 2.909

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



57, 79.848, 2.822



54, 84.448, 10.125



87, 44.889, 206.265



50, 6.070, 348.875



41, 68.109, 9.646



10, 31.360, 2.909

Previews

White Background



This preview shows how the CIELCh color 57, 80.123, 3.035 looks on a white background.

Color Contrast Check

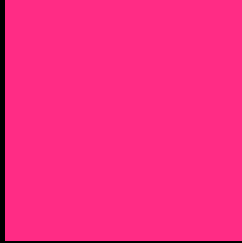
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 57, 80.123, 3.035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 80.123, 3.035

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.123, 3.035.



This preview shows how white text looks on a background with the CIELCh color 57, 80.123, 3.035.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

57, 79.773, 2.797

Protanopia

57, 28.097, 285.345

Deuteranopia

57, 10.872, 48.124



Tritanopia
57, 81.703, 31.302

Trichromacy



Original Color
57, 79.773, 2.797



Protanomaly
53, 43.566, 329.166



Deuteranomaly
54, 39.420, 2.386

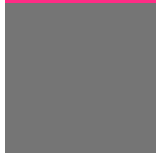


Tritanomaly
57, 78.589, 21.265

Monochromacy



Original Color
57, 79.773, 2.797



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 35.858, 352.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.123, 3.035 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 44, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 133)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 44, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.123, 3.035 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 44, 133) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 44, 133) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 44, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.123, 3.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 133) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 44,  
133) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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